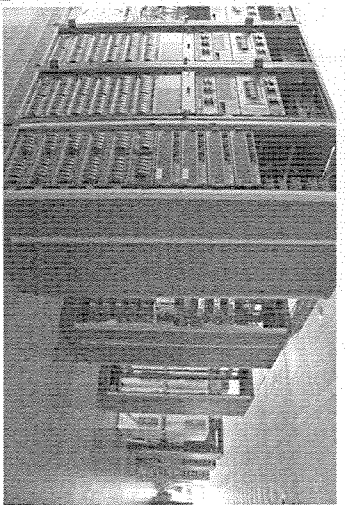


ilab.t : Experimental facilities



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Integration & interworking between testbeds and living labs

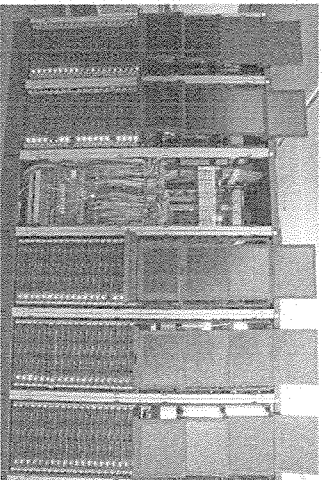
Living Labs as Testbeds

- Co-design
 - Iterative process
 - Need for innovative technological components
 - Testbeds as Living Labs
 - Real-life performance
 - User experience
 - Scalability
- IBBT committed towards further integration and interoperability of experimental facilities incl. living labs for future internet technologies & applications
- Further ilabs joint projects and programmes
 - Overall architectural activities in FIRE
 - Acting Secretariat of ENOLL
 - Exploring dedicated event under Belgian presidency of the EU (2nd half of 2010)

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IBBT ilab.t: Virtual Wall



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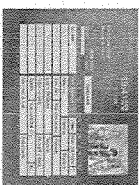
ilab.o: supporting Open Innovation in ICT

ilab.o Living Lab facility offering

- User panel selection and management
- Usage logging and monitoring
- Application Prototyping
- Strategy & policy tools
- Pilot operational support & infrastructure

What are the results?

- Realistic User & Social requirements early on in innovation process
- Market Potential & Business model for future technologies
- Co-designed and Validated products/services/systems

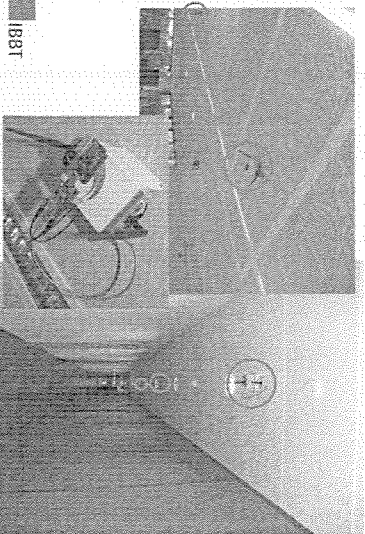


Examples

- First worldwide Living Lab on electronic newspaper (200 users)
- First Belgian Living Lab project on Mobile TV (100 users)
- First Belgian interactive digital TV Living Lab (300 households)

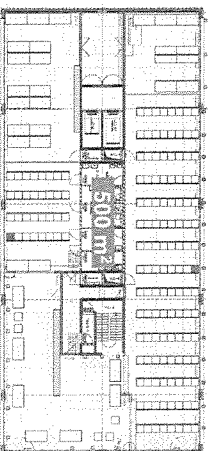
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IBBT ilab.t: Wireless Lab



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IBBT ilab.t



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veumme

Development platforms at your service - case ilabs

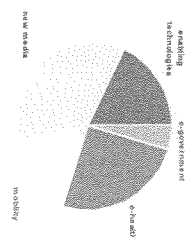
Ingrid Moerman & Pieter Ballon
IBBT - ilab.t & ilab.o

IBBT - Interdisciplinary institute for Broadband Technology

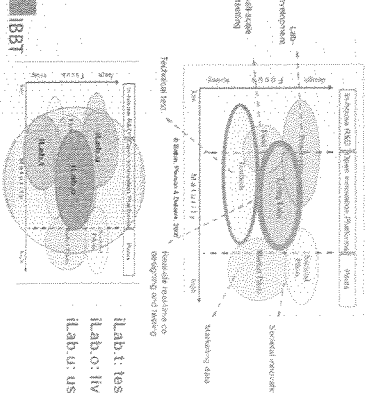
- 16 groups in 5 universities in Flanders, Belgium with 600+ researchers
- Domains: New Media, Mobility, E-Health, E-Government, Enabling Technologies
- 150+ demand-driven research projects with 50% input by companies in the last 5 years
- 3 ilabs: IBBT's experimental facilities

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2



IBBT Experimental Facilities

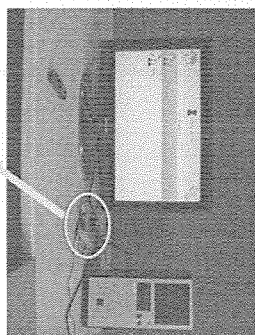


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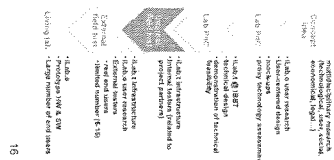
3

Case 1: Transparent ICT platforms for eCare

Functionality test



Lab1 hardware

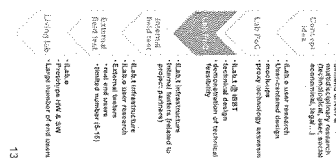
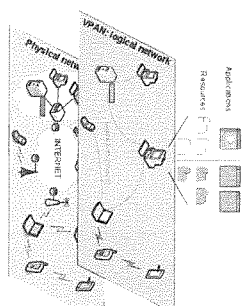


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Case 1: Transparent ICT platforms for eCare

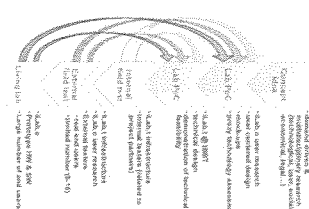
Technical design – The VPN concept

- Virtual Private Ad-Hoc Network = A secure and self-organizing virtual overlay network of distributed groups of nodes



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From concept idea to living lab



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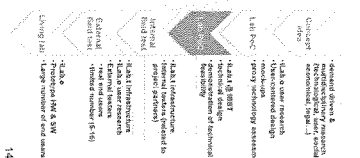
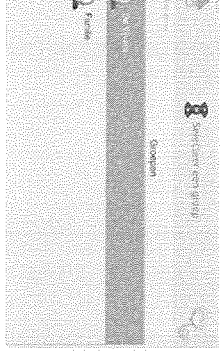
Case 1: Transparent ICT platforms for eCare



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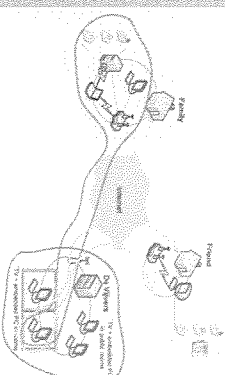
Case 1: Transparent ICT platforms for eCare

Technical design – application development



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Case 1: Transparent ICT platforms for eCare

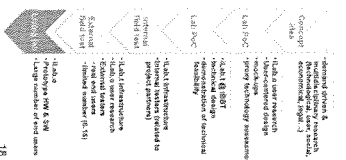


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Case 1: Transparent ICT platforms for eCare

Next steps

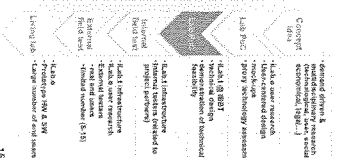
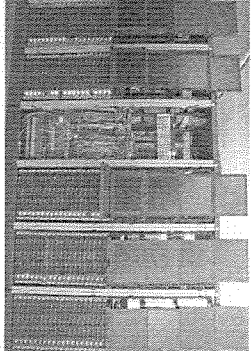
- Turn Lab1 hardware into fully-fledged prototype
- Large scale trials in real living environment
- Experience research
- Refine solution
- More advanced user research
- Improved technical design
- Initiate product into the market



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Case 1: Transparent ICT platforms for eCare

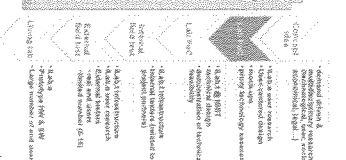
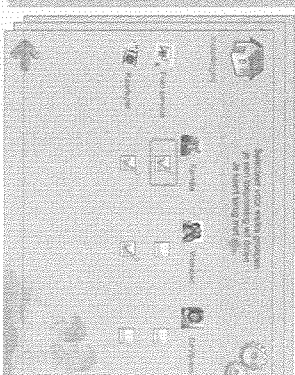
Technical design – scalability testing



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Case 1: Transparent ICT platforms for eCare

User-centered design – Mock-ups

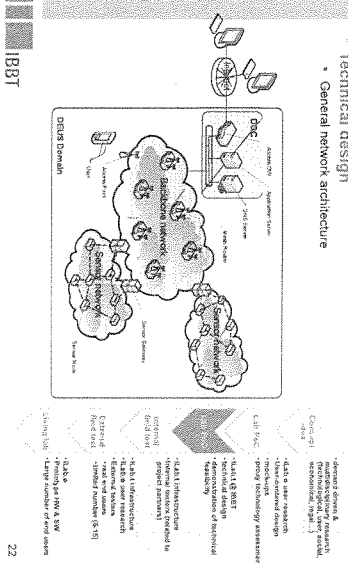


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Case 2: Easy deployment & use of wireless services

Technical design

General network architecture



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Case 2: Easy deployment & use of wireless services

Cultural events

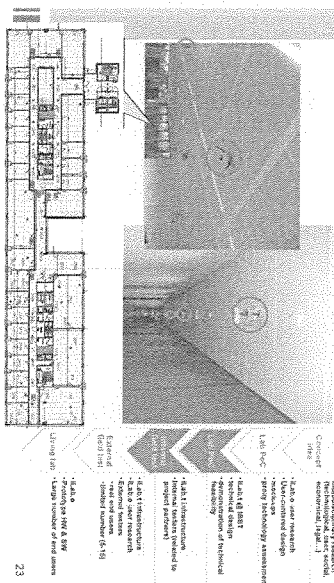
- Guiding of persons in and around public areas
- Wireless location-based / personalized applications for indoor guiding of persons
- Combination with outdoor guiding with GPS
- Tracing of persons/assets



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Case 2: Easy deployment & use of wireless services

PoC demonstration @ Lab.1



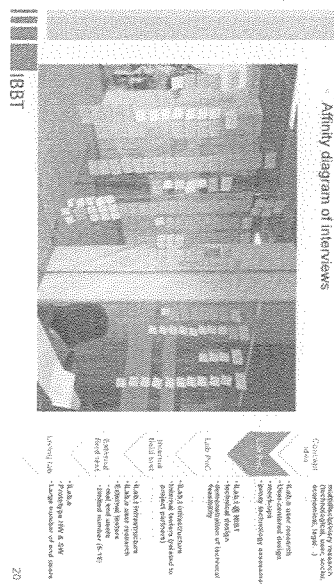
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Case 2: Easy deployment & use of wireless services

User research

Affinity diagram of interviews



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Acknowledgement

IBBT GBO projects

- TranseCare, <https://projects.ibbt.be/transecare/>
- WBA, <https://projects.ibbt.be/wba/>
- DEUS, <https://projects.ibbt.be/deus/>

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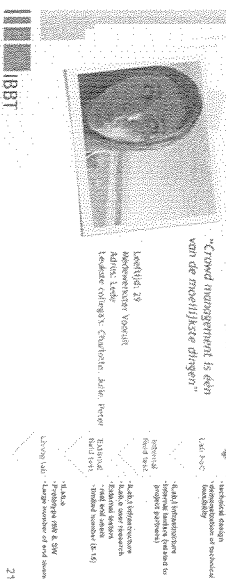
Case 2: Easy deployment & use of wireless services

User research

Definition of persons

Karolien Verschueren

"Crowd management is één van de moeilijkste dingen"



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FIREweek 2009:

FIRE AND LIVING LABS

FUTURE INTERNET BY THE PEOPLE | LULEÅ, SWEDEN JULY 1-2 2009



[Home](#) [About](#) [Program](#) [Registration](#) [Dates](#) [About Luleå](#) [Contact](#) [Venue](#) [Reviews and other meetings](#) [Press](#) [Braintap](#)
[Presentations](#)

FIRE and Living Labs - Future Internet by the people

The conference "FIRE and Living Labs – Future Internet by the people" was held in association with the Swedish EU presidency on July 1-2 in Luleå. The conference was a meeting-place of two strong communities: The FIRE community focusing on Future Internet Research and Experimentation and the Living Labs community with the mission to engage people, users as co-creators in the development of new successful products and services.

The conference and the workshops were open to everybody interested in research on Future Internet in the world, and in particular to SAC, FIRE and FIA (Future Internet Assembly) members.

More than 300 delegates of experts mainly European, academics, industry from ongoing projects and authorities, European Commission and international organisations joined the conference.

NEWS

FIRE and Living Labs on You Tube

[2009-09-21]

See video »»

It is not the technologies that will make a difference to society, it is the users that will make a difference.

[2009-07-07]

These are the words of the Swedish minister for communications Åsa Torstensson, in the closing session of FIREweek 2009: FIRE and Living Labs. She also extended an invitation to participate in the debate on the future ICT policy in the EU. See the full presentation and speech here.

FUTURE INTERNET BY THE PEOPLE

[2009-07-07]

Deputy Director-General of DG INFSO Antti Peltomäki closed the FIREweek 2009: FIRE and Living Labs 2-day conference in Luleå by concluding that the title of the conference was fully appropriate. Please find Mr. Peltomäki's speech here.

FIREweek 2009: FIRE and Living Labs is closed.

[2009-07-03]



With the concluding remarks from conference-general Michael Nilsson:

We have been a "family" for two days, but actually the whole week, 7 days here in Luleå, have been busy days.

Do you know what this is:

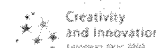
- 330 participants
- 30 nationalities
- 70 speakers
- 22 parallel sessions
- 9 review meetings
- 8 project meetings
- 1 assembly meeting
- 11 preparation meetings
- xx number of new friends,
- yy number of proposal discussions
- a lot of good laughs and enjoyment
- too few sleeping hours BUT +30 degrees and nightless nights
- a moment of good life!

Dear friends, THAT is FIREweek 2009: FIRE & LivingLabs in Luleå! FANTASTIC!

Share these moments with us : PHOTO GALLERY

Submit your presentations to: martin.vallmark[at]cdt.ltu.se

ENJOY YOUR SUMMER HOLIDAYS



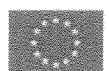
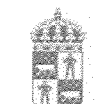
Organised by:



FIREWORKS



Open
LivingLabs
Sweden



Organization contact:**Conference-specific questions:****Practical questions:**

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